## AMENDMENTS TO THE CLAIMS

Please replace all prior versions and listings of claims in the application with the listing of claims as follows:

## **Listing of Claims**

1. (Previously Presented) A method for processing information provided from at least one content provider about states of a plurality of objects, the states being subject to periodic updates, and for delivering formatted information indicating a current state of at least a portion of the plurality of objects to a plurality of clients via a data communication network in substantially real-time, the method comprising the steps of:

in each of at least a first and a second information manager:

receiving raw data objects on at least one raw data stream input;

generating a formatted data object from a received raw data object;

storing a current state of the formatted data object in an object storage pool; and broadcasting the current state of the formatted data object on a particular broadcast data stream;

in a client manager:

establishing communication sessions with a plurality of clients;

connecting to at least two broadcast data streams, wherein the connecting to at least two broadcast data streams comprises:

connecting to the particular broadcast data stream from the first information manager of the plurality of information managers; and

connecting to the particular broadcast data stream from the second information manager of the plurality of information managers;

receiving on each of the connected particular broadcast data stream the current state of the formatted data object;

updating an object pool cache to reflect the current state of each of the formatted data objects; and

transmitting the current state of at least one of the formatted data objects to a set of clients from the plurality of clients;

wherein each connected client has a respective client event queue, the step of transmitting the current state of at least one of the formatted data objects to the set of clients comprises the steps of, for each respective client in the set of clients and for each of the at least one of the formatted data objects:

placing at least one state event in the client event queue associated with the respective client, the at least one state event containing the current state of the corresponding formatted data object and embedded functions that encompass a basic set of aggregation and combination rules for state events;

deriving a client event from the at least one state event prior to transmission of the client event to the respective client, wherein the deriving of the client event occurs upon placement of the at least one state event in the client event queue or upon removal of the at least one state event from the client event queue, and further wherein said embedded functions that encompass a basic set of aggregation and combination rules for state events are removed from the client event; and

subsequently transmitting the client event derived from the at least one state event in the client event queue to the respective client.

2. (Original) The method of claim 1, wherein the step of broadcasting the current state of the formatted data object comprises:

determining if a prior version of the formatted data object was present in the object storage pool;

if a prior version of the formatted data object was present, determining a data differential between the prior version and the current state of the formatted data object and broadcasting the data differential on the particular broadcast data stream;

otherwise, broadcasting the current state of the formatted data object on the particular broadcast data stream.

3. (Previously Presented) The method of claim 1, wherein each client has an associated profile comprising data indicating data stream subscriptions and at least one object rule associated with the subscribed data streams;

the step of transmitting the current state of the at least one of the formatted data object objects comprising the steps of:

for each respective client subscribed to particular broadcast data stream, evaluating from the client profile associated with the respective client the object rules associated with the particular broadcast data stream against the formatted data object; and

transmitting the current state of the formatted data object to the respective client in response to a positive evaluation.

- 4. (Canceled)
- 5. (Original) The method of claim 1, wherein the step of broadcasting the current state comprises broadcasting a corresponding sequence number associated with the current state.
- 6. (Original) The method of claim 1, further comprising the step of determining an object type of the raw data object;

the step of generating the formatted data object comprising the step of applying a set of formatting rules to the received raw data object in accordance with the object type.

- 7. (Original) The method of claim 6, further comprising the step of translating the raw data object into a raw event comprising at least one name-value pair prior to performing the steps of determining an object type of the raw data object and generating a formatted data object.
- 8. (Original) The method of claim 1, further comprising the step of determining an object type of the raw data object;

the particular broadcast data stream being selected from a plurality of broadcast data streams according to the object type.

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9. (Original) The method of claim 1, further comprising the steps of:

validating the contents of the raw data object; and

upon a failed validation, preventing subsequent broadcast of the current state of the formatted data object data derived from the raw data object.

- 10. (Original) The method of claim 1, wherein the raw data object comprises information related to a financial product offering.
- 11. (Original) The method of claim 1, further comprising the step of, in the client manager:

after connecting to a particular broadcast data stream, initializing the object pool cache with an initial state of data objects carried on the particular broadcast data stream.

- 12. (Previously Presented) The method of claim 1, further comprising the step of obtaining an initial state of data objects from the information manager generating the particular broadcast data stream.
- 13. (Original) The method of claim 11, further comprising the step of, after establishing a communication session with a particular client, delivering to the particular client a snapshot of a set of data objects in the object pool cache which are carried on broadcast data streams to which the particular client is subscribed.
- 14. (Original) The method of claim 1, further comprising the step of, in the client manager:

in response to a detection that a particular client has subscribed to a new broadcast data stream not in set of connected broadcast data streams, connecting to the new broadcast data stream.

15. (Previously Presented) The method of claim 14, further comprising the steps of, in the client manager:

initializing the object pool cache with an initial state of data objects carried on the new broadcast data stream; and

delivering to the particular client a snapshot of a set of the data objects in the object pool cache associated with the new data stream.

- 16. (Canceled)
- 17. (Previously Presented) The method of claim 1, further comprising the steps of:

identifying pending state events associated with a respective client which are related to a common data object; and

aggregating the identified state events to thereby reduce the number of pending state events.

- 18. (Previously Presented) The method of claim 17, where the identified state events are aggregated into a single state event.
- 19. (Previously Presented) The method of claim 1, further comprising the steps of: monitoring the performance of communication with each connected client; and

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dynamically adjusting a rate at which the current state of the formatted data object is transmitted to each respective client in response to the monitored performance.

- 20. (Original) The method of claim 19, wherein the step of monitoring the performance of communication with each connected client comprises determining network transmission time and a client processing time for received transmissions.
- 21. (Previously Presented) A system including at least one processor for processing information provided from at least one content provider about states of a plurality of objects, the states being subject to periodic updates, and for delivering formatted information indicating a current state of at least a portion of the plurality of objects to a plurality of clients via a data communication network in substantially real-time, the system comprising:

at least a first and a second information manager, each comprising at least one raw data stream as input, an object storage pool configured to store formatted data objects, and at least one broadcast data stream as output, each raw data stream carrying a plurality of raw data objects;

each of the at least the first and the second information manager configured to:
generate a formatted data object from a received raw data object;

store a current state of the formatted data object in the object storage

pool; and

broadcast the current state of the formatted data object on a particular broadcast data stream;

a client manager receiving at least one broadcast data stream as input, comprising an object pool cache, and connectable to a plurality of clients;

the client manager configured to:

establish communication sessions with a plurality of clients;

connect to at least two broadcast data streams, wherein the client manager receives the particular broadcast data stream from the first information manager of the plurality of information managers and the particular broadcast data stream from the second information manager of the plurality of information managers;

receive on each of the connected particular broadcast data stream the current state of the formatted data object;

update the object pool cache to reflect the current state of each of the formatted data objects; and

transmit the current state of at least one of the formatted data objects to a set of clients from the plurality of clients;

wherein the client manager further comprises a delivery manager comprising a client event queue associated with each client;

the delivery manager configured to:

queue state events directed to a particular client in the client event queue associated with the particular client, the state events containing the current state of specific formatted data objects and embedded functions that encompass a basic set of aggregation and combination rules for state events;

derive a client event from at least one of the queued state events prior to transmission of the client event to the respective client, wherein the deriving of the client event occurs upon placement of the at least one state event in the client event queue or upon removal of the at least one state event from the client event queue, and further wherein said embedded functions that encompass a basic set of aggregation and combination rules for state events are removed from the client event; and

subsequently transmit the client event derived from the at least one queued state event to the respective client.

22. (Previously Presented) The system of claim 21, wherein each of the at least the first and the second information manager is configured to:

determine if a prior version of the formatted data object was present in the object storage pool;

responsive to the determination that a prior version of the formatted data object was present, determine a data differential between the prior version and the current state of the formatted data object and broadcast the data differential on the particular broadcast data stream;

otherwise, broadcast the current state of the formatted data object on the particular broadcast data stream.

23. (Previously Presented) The system of claim 21, wherein the client manager further comprises a client profile database containing a plurality of client profiles therein, each client profile comprising data indicating data stream subscriptions and at least one object rule associated with the subscribed data streams;

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the client manager being further configured to, for each respective client subscribed to a particular broadcast data stream, evaluate from the client profile associated with the respective client the object rules associated with the particular broadcast data stream against the formatted data object to identify the set of clients.

- 24. (Canceled)
- 25. (Previously Presented) The system of claim 21, wherein each of the at least the first and the second information manager further comprises an offer processor configured to determine an object type of the raw data object and apply a set of formatting rules to the received raw data object in accordance with the object type to generate the formatted data object.
- 26. (Previously Presented) The system of claim 25, wherein each of the at least the first and the second information manager comprises a processing database having object typing and formatting rules stored therein.
- 27. (Previously Presented) The system of claim 25, wherein each of the at least the first and the second information manager further comprises a translator receiving the raw data stream as input and configured to translate the raw data object into a raw event comprising at least one name-value pair and provide the raw event as output;

the offer processor receiving the raw event as input.

28. (Original) The system of claim 25, wherein the client manager is configured to select the particular broadcast data stream from a plurality of broadcast data streams according to the determined object type.

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29. (Original) The system of claim 21, wherein the client manager is further configured to:

validate the contents of the raw data object; and

upon a failed validation, prevent subsequent broadcast of the current state of the formatted data object data derived from the raw data object.

- 30. (Original) The system of claim 21, wherein the raw data object comprises information related to a financial product offering.
- 31. (Original) The system of claim 21, wherein the client manager is further configured to:

in response to a detection that a particular client has subscribed to a new broadcast data stream not in set of connected broadcast data streams, connecting to the new broadcast data stream.

- 32. (Canceled)
- 33. (Previously Presented) The system of claim 21, wherein the delivery manager is further configured to:

identify pending state events associated with a respective client which are related to a common data object; and

aggregate the identified state events to thereby reduce the number of pending state events.

34. (Previously Presented) The system of claim 21, wherein the client manager is further configured to:

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monitor the performance of communication with each connected client; and

dynamically adjust a rate at which the current state of the formatted data object is transmitted to each respective client in response to the monitored performance.

35. - 49. (Canceled)

50. (New) A method for processing information provided from at least one content provider about states of a plurality of objects, the states being subject to periodic updates, and for delivering formatted information indicating a current state of at least a portion of the plurality of objects to a plurality of clients via a data communication network in substantially real-time, the method comprising:

in each of at least a first and a second information manager:

receiving raw data objects on at least one raw data stream input;

translating the raw data object into a raw event;

determining an object type of the raw data objects;

applying a set of formatting rules to the received raw data object in accordance with the object type to generate a formatted data object from a received raw data object;

storing a current state of the formatted data object in an object storage pool; and broadcasting the current state of the formatted data object on a particular broadcast data stream;

in a client manager:

establishing communication sessions with a plurality of clients;

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connecting to at least two broadcast data streams, wherein the connecting to at least two broadcast data streams comprises:

connecting to the particular broadcast data stream from the first information manager of the plurality of information managers; and

connecting to the particular broadcast data stream from the second information manager of the plurality of information managers;

receiving on each of the connected particular broadcast data stream the current state of the formatted data object;

updating an object pool cache to reflect the current state of each of the formatted data objects; and

transmitting the current state of at least one of the formatted data objects to a set of clients from the plurality of clients;

wherein each connected client has a respective client event queue, transmitting the current state of at least one of the formatted data objects to the set of clients comprises for each respective client in the set of clients and for each of the at least one of the formatted data objects:

placing at least one state event in the client event queue associated with the respective client, the at least one state event containing the current state of the corresponding formatted data object and embedded functions that encompass a basic set of aggregation and combination rules for state events;

deriving a client event from the at least one state event prior to transmission of the client event to the respective client, wherein the deriving of the client event occurs upon placement of the at least one state event in the client event queue or upon removal of the at least one state event from the client event queue, and further wherein said embedded functions that encompass a basic set of aggregation and combination rules for state events are removed from the client event; and

subsequently transmitting the client event derived from the at least one state event in the client event queue to the respective client.

51. (New) The method of claim 50, wherein broadcasting the current state of the formatted data object comprises:

determining if a prior version of the formatted data object was present in the object storage pool;

if a prior version of the formatted data object was present, determining a data differential between the prior version and the current state of the formatted data object and broadcasting the data differential on the particular broadcast data stream;

otherwise, broadcasting the current state of the formatted data object on the particular broadcast data stream.

52. (New) The method of claim 50, wherein each client has an associated profile comprising data indicating data stream subscriptions and at least one object rule associated with the subscribed data streams;

transmitting the current state of the at least one of the formatted data object objects comprising:

for each respective client subscribed to particular broadcast data stream, evaluating from the client profile associated with the respective client the object rules associated with the particular broadcast data stream against the formatted data object; and

transmitting the current state of the formatted data object to the respective client in response to a positive evaluation.

- 53. (New) The method of claim 50, wherein broadcasting the current state comprises broadcasting a corresponding sequence number associated with the current state.
  - 54. (New) The method of claim 50, further comprising:

validating the contents of the raw data object; and

upon a failed validation, preventing subsequent broadcast of the current state of the formatted data object data derived from the raw data object.